Seun Alabi

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EDUCATION

Obafemi Awolowo University   Ile Ife, Osun State
Bachelor of Science in Computer Science   *Aug. 2017 – May 2023*

EXPERIENCE

Software Engineering Laboratory Assistant   Aug. 2021 – May 2023
Obafemi Awolowo University   *Ile Ife, Osun State*
- Assisted in conducting software engineering labs, providing technical support, and grading assignments.
- Collaborating with my supervisor on research and prepared exam questions for computer-based tests.
- Developed various personal and group software projects.
- Completed a Cisco Networking course in campus gaining knowledge and skills in networking and security.

AWS Cloud Club Member   Aug. 2021 – May 2023
Obafemi Awolowo University   *Ile Ife, Osun State*
- Participated in and led cloud computing workshops and projects, gaining practical experience with AWS services such as EC2, S3, Lambda, and DynamoDB.
- Attended conferences and events related to cloud computing.
- Earned certifications including AWS Certified Cloud Practitioner (CPP) and AWS Certified Solution Architect - Associate (SAA).

Front-End Developer   May 2020 – Sep. 2021
Flippay.co   *Ikorodu, Lagos*
- Developed user interfaces for the homepage and dashboard using ReactJS and Material UI, enhancing the user experience for a crypto and gift cards platform.
- Integrated REST APIs to authenticate users and deliver dynamic content, ensuring secure and efficient data handling.

PROJECTS

Cloud Resume Challenge | *Python, S3, Dynamo, CloudFront, Lambda, Api Gateway, React*   June 2020 – Present
- Developed a responsive portfolio website (seunalabi.com) using React, integrated with an API to display a dynamic visitor count.
- Deployed the React portfolio website to an Amazon S3 bucket with public access, secured it with HTTPS using CloudFront, and linked it to a custom domain via Route53.
- DynamoDB was used to store visitor's count which interacts with a Python-based Lambda function with proper IAM roles and policies for secure access.
- Set up CI/CD using a SAM template and GitHub Actions, including build, test (with Cypress), and deployment processes.
- Automated frontend deployment to the S3 bucket and CloudFront cache invalidation using GitHub Actions, ensuring secure storage of AWS credentials in GitHub Secrets.

QR Code Generator App Deployment | *Docker, EKS, Github Actions, Cloud Formation, S3*   June 2024
- Created Docker images for the QR Code Generator application, including both the frontend (Nextjs) and backend (FastAPI)
- Containerized the application locally and deployed the Docker images to Docker Hub.
- Deployed the functioning containerized application on Amazon EKS containers
- Set up a CI/CD pipeline with GitHub Actions to automate building, testing, and deploying changes made locally.

Food Ordering and Delivery Service | *Python, Cognito, DynamoDB, Lambda, API Gateway*   May 2024
- Developed a full-stack food ordering and delivery service allowing users to find restaurants, place orders, and track delivery status in real-time.
- Implemented user registration and authentication using AWS Cognito, enabling secure sign-ups and logins.

- Created REST APIs with AWS API Gateway and Lambda for order management, ensuring idempotency and reliability.

- Integrated asynchronous processing using Amazon EventBridge and SQS for decoupled backend services.

- Set up CI/CD pipelines using CodeCommit and CodePipeline to automate testing and deployment processes.

- Built a polling service to enable customers to track order status and integrated it with the orders event bus.

TECHNICAL SKILLS

Languages: Python, JavaScript, HTML/CSS, SQL
Frameworks: Node.js, Flask, Django, FastAPI, React, WordPress
Cloud Skills: Linux, AWS CLI, CloudFormation, AWS SAM, Terraform, EC2, Lambda, S3, DynamoDB, API Gateway, CloudFront, Cognito, SQS, SNS, EC2 Instances, Cloud9, Route 53, Load Balancers, EC2 Auto Scaling, RDS, Aurora, EventBridge, Cypress, Pytest, Github Actions, AWS CodeCommit, AWS CodePipeline, Docker, EKS, Containers.

CERTIFICATIONS

AWS Certified Solutions Architect - Associate — *Link*	Achieved: September 2023
AWS Certified Cloud Practitioner — *Link* — V16GPSM1VERQQZG1	Achieved: September 2023
Cisco Networking Essentials — *Link*	Achieved: January 2022